



12-16-03

CASE 4-30195E

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EL 987587224 US  
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December 15, 2003  
Date of Deposit

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF

Art Unit: 1626

LATTMANN ET AL.

Examiner: D. Lambkin (Parent)

APPLICATION NO: 10/694,672

FILED: October 28, 2003

FOR: DIPEPTIDE NITRILES

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

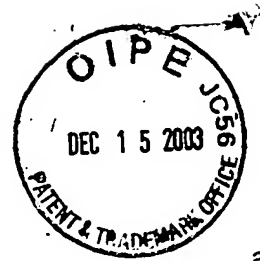
Sir:

This paper is being filed within three months of the filing date of the application. Therefore, no fees are required. If a fee is deemed to be required, the Commissioner is hereby authorized to charge such fee to Deposit Account No. 19-0134.

In addition to the references of record and considered by the Examiner in parent application No. 10/342,872, filed January 15, 2003, (listed on attached forms PTO-1449, sheets 1-6) the applicants wish to call the Examiner's attention to the references listed on the attached form(s) PTO-1449, sheets 7 and 8.

Copies of the references on sheets 7 and 8 (except U.S. parent documents) are enclosed herewith. Enclosed citations AS to AX, listed on sheets 7 and 8, correspond to citations BX to CH which had been crossed out on 1449 forms returned with Office Action of June 24, 2003, in the parent application.

The Applicants would also like to call to the Examiner's attention copending application No. 10/410,377 (Publication No. U.S. 2003/0203919 cited herewith).



The Examiner is requested to consider the foregoing information in relation to this application and indicate that each reference was considered by returning a copy of the initialed PTO 1449 form(s).

Respectfully submitted,

Norbert Gruenfeld

Novartis

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East Hanover, NJ 07936-1080

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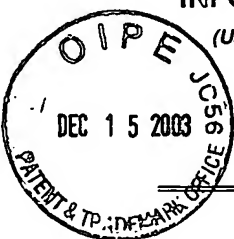
NG/pk

Encl. PTO-1449 form - 8 sheets  
references listed on sheets 7 and 8 -  
(except U.S. documents)

## INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Group



## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	AA	6,455,502 B1	9/24/02	Bryant et al.			
	AB	6,746,026 B1	11/5/02	Bryant et al.			
	AC	2002/0086996	7/4/02	Bryant et al.			
	AD	6,353,017 B1	3/5/02	Altmann et al.			
	AE	6,300,372	10-2001	Christensen, IV et al.			
	AF	6,355,678	03-2002	Uckun et al.			
	AG	6,451,862	09-2002	Liang et al.			
	AH	2001/0016207A1	08/2001	Missbach			
	AI	6,593,327	7/15/93	Bryant et al.			
	AJ	6,492,382	12-2003	Graupe et al.			
	AK	6,525,036	02-2003	Oballa et al.			
	AL	6,525,052	02-2003	Bekkali et al.			
	AM	6,531,612	03-2003	Gabriel et al.			

## FOREIGN PATENT DOCUMENTS

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	AO						<input type="checkbox"/>	<input type="checkbox"/>
	AP						<input type="checkbox"/>	<input type="checkbox"/>
	AQ						<input type="checkbox"/>	<input type="checkbox"/>

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

	AR	
	AS	
	AT	

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial of reference considered, whether or not citation is in conformance with MPEP 609: Draw a line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.

## INFORMATION DISCLOSURE CITATION

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4-30195E

APPLICATION NO.

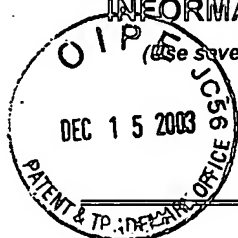
10/694,672

APPLICANT

ALTMANN ET AL.

FILING DATE

October 28, 2003



## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	AA	5,780,498	7/14/98	Saika et al.			
	AB	3,467,691	9/16/69	Irikura et al.			
	AC	5,574,064	11/12/96	Shibata et al.			
	AD	3,697,577	10/10/72	Irikura et al.			
	AE	5,977,075	11/2/99	Ksander et al.			
	AF	5,990,083	11-1999	Iqbal et al.	514	9	
	AG	6,015,879	01-2000	McDonald	530	331	
	AH	6,287,840	09-2001	Palmer et al.	435	219	
	AI	6,297,277	10-2001	Zimmerman	514	534	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	OFFICE	CLASS	SUBCLASS	TRANSLATION YES NO	
	AM	WO 95 24382	9/14/95	PCT			<input type="checkbox"/>	<input type="checkbox"/>
	AN	WO 98 01133	1/15/98	PCT			<input type="checkbox"/>	<input type="checkbox"/>
	AO	WO 96 33170	10/24/96	PCT			<input type="checkbox"/>	<input type="checkbox"/>
	AP	547 699 A1	6/23/93	Europe			<input type="checkbox"/>	<input type="checkbox"/>
	AQ	WO 95 12611	5/11/95	PCT			<input type="checkbox"/>	<input type="checkbox"/>

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

	AR	Lowe et al., Biochem.J., Vol. 124, No. 1, pgs. 107-115 (1971).
	AS	Buttle et al., Biochem. J., Vol. 261, No. 2, pgs. 469-476 (1989).
	AT	Baker et al., Biochimica Biophysica Acta, Vol. 616, pgs. 30-34 (1980).
	AU	Yoshida et al., CA 110:213341, 1989

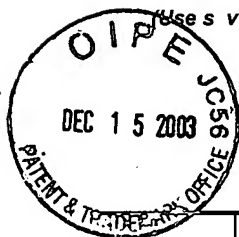
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**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent pages, Etc.)

AU	Liu et al., Biochimica Biophysica Acta, Vol. 1250, pgs. 43-48 (1995).
AV	Stevenson et al., Biotechnology & Bioengineering, Vol. 37, pgs. 519-527 (1991).
AW	Grzegorzewska et al., Bull.Acad.Pol.Sci., Ser.Sci.Chim., Vol. 22, No. 8, pgs. 679-683 (1974).
AX	Varughese et al., Can.J.Chem., Vol. 64, No. 8, pgs. 1668-1673 (1986).
AY	Gour-Salin et al., Can.J.Chem., Vol. 69, No. 8, pgs. 1288-1297 (1991).
AZ	Suzue et al., Chem.Pharm.Bull., Vol. 16, No. 8, pgs. 1417-1432 (1968).
BA	Gour-Salin et al., Enzyme Microb. Technol., Vol. 13, pgs. 408-411 (1991).
BB	Von Heinz Moser et al., Helvetica Chimica Acta, Vol. 69, pgs. 1224-1262 (1986).
BC	Lipshutz et al., Israel Jour. of Chemistry, Vol. 27, pgs. 49-55 (1986).
BD	Carey et al., Journal of Biological Chemistry, Vol. 259, No. 23, pgs. 14357-14360 (1984).
BE	Elmore et al., J.Chem.Soc.Perkin Trans., Vol. 1, pgs. 1051-1055 (1988).
BF	Campbell et al., J.Am.Chem.Soc., Vol. 104, pgs. 5221-5226 (1982).
BG	Lipshutz et al., J.Am.Chem.Soc., Vol. 105, pgs. 7703-7713 (1983).
BH	Moon et al., J.Am.Chem.Soc., Vol. 108, pgs. 1350-1351 (1986).

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

BI	Katritzky et al., Organic Prep.Proced.Int., Vol. 24, No. 2, pgs. 121-126 (1992).
BJ	Eugen Vargha, Stud.Univ.Babes-Bolyai.Ser.Chem., Vol. 13, No. 2, pgs. 31-35 (1968).
BK	Balog et al., Stud.Univ.Babes-Bolyai.Ser.Chem., Vol. 14, No. 2, pgs. 137-143 (1969).
BL	Claremon et al., Tetrahedron Letters, Vol. 29, No. 18, pgs. 2155-2158 (1988).
BM	Jones et al., Tetrahedron Letters, Vol. 29, No. 31, pgs. 3853-3856 (1988).
BN	Imoto et al., Bull.Chem.Soc.Japan, Vol. 59, pgs. 3207-3212 (1986).
BO	Hanzlik et al., Biochimica et Biophysica Acta, Vol. 1035, pgs. 62-70 (1990).
BP	Liu et al., Biochimica et Biophysica Acta, Vol. 1158, pgs. 264-272 (1993).
BQ	Pickin et al., Biochemical Soc.Transactions, Vol. 18, pg. 316 (1990).
BR	Thompson et al., J.Med.Chem., Vol. 29, pgs. 104-111 (1986).
BS	Dufour et al., Biochemistry, Vol. 34, No. 28, pgs. 9136-9143 (1995).
BT	Brisson et al., J.Biol.Chem., Vol. 261, No. 20, pgs. 9087-9089 (1986).
BU	Khalid et al., Drugs Exptl.Clin.Res., Suppl. 1, XIII, pgs. 57-60 (1987).
BV	Liang et al., Arch. Biochemistry and Biophysics, Vol. 252, No. 2, pgs. 626-634 (1987).

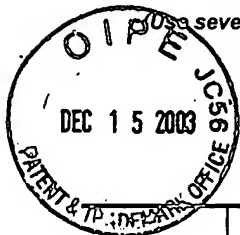
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**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent pages, Etc.)

BW	Asboth et al., Biochemistry, Vol. 24, pgs. 606-609 (1985).
BX	North et al., Tetrahedron, Vol. 46, No. 24, pgs. 8267-8290 (1990).
BY	Harada et al., Institution of Molecular and Cellular Evolution, pgs. 157-68 (1972).
BZ	
CA	
CB	
CC	
CD	
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CF	
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FOREIGN PATENT DOCUMENTS

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							YES	NO
	AR	WO 96 20949	7/11/95	PCT			<input type="checkbox"/>	<input type="checkbox"/>
	AS	587 110 A2	3/16/94	Europe			<input type="checkbox"/>	<input type="checkbox"/>
	AT	506 008 A1	9/30/92	Europe			<input type="checkbox"/>	<input type="checkbox"/>
	AD	WO 98/22433	5/28/98	PCT			<input type="checkbox"/>	<input type="checkbox"/>
	AE	WO 97/27200	7/31/97	PCT			<input type="checkbox"/>	<input type="checkbox"/>
	AF	EP 611 756 A2	8/24/94	Europe			<input type="checkbox"/>	<input type="checkbox"/>
	AG	BE 662,788	8/17/65	Belgium (equivalent US 3,697,577 of record)			<input checked="" type="checkbox"/>	<input type="checkbox"/>
	AH	WO 00/55125	9/21/00	PCT			<input type="checkbox"/>	<input type="checkbox"/>
	AI	WO 00/55126	9/21/00	PCT			<input type="checkbox"/>	<input type="checkbox"/>
	AJ	WO 00/51998	9/8/00	PCT			<input type="checkbox"/>	<input type="checkbox"/>
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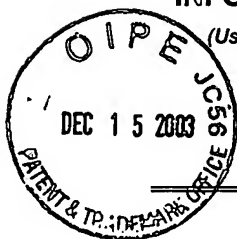
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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	AA	6,642,239	11/2003	Missbach			
	AB	2003/0203919	10/2003	Missbach			
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	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						

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	AO						<input type="checkbox"/>	<input type="checkbox"/>
	AP						<input type="checkbox"/>	<input type="checkbox"/>
	AQ						<input type="checkbox"/>	<input type="checkbox"/>

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

	AR	Szewczuk A. et al., "Dipeptide Nitriles as Substrates for Colorimetric Determination of Amino-peptidases", Vol. XII, No. 4, pp. 357-367 (1965)
	AS	Derwent Abstract 66-26788F and Chemical Abstracts 1967:464704 (abstracts of JP 67009133 5/6/67)
	AT	Derwent Abstract 70-37948R and Chemical Abstracts 1970:445853 (abstracts JP 70015013 5/27/70)

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**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent pages, Etc.)

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